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**From:** TU, LYNDSEY [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1BBD1651E4434BD78233A6BC426D56F1-TU, LYNDSEY]  
**Sent:** 1/4/2018 6:59:17 PM  
**To:** Grange, Gabrielle Fenix [Gabrielle.Grange@doh.hawaii.gov]; joanna.seto@doh.hawaii.gov  
**Subject:** FW: Notes from12/20/17 Webex  
**Attachments:** MJTonkin\_Notes\_from\_12-20-17-ConfCall.docx; RE: Notes from12/20/17 Webex; Re: Notes from12/20/17 Webex

Joana and Fenix,

Here's all of the correspondence from both Matt and Bob W. about the groundwater modeling working group meeting that I have. In addition, I spoke with Bob Pallarino about NDA's. EPA contracts have an NDA written in to the contract language, so our Prime contractors (Innovex and PEMY) are covered through that language. We ask our Primes to arrange an NDA with their sub's, so Innovex and PEMY each have their own agreements with their subs respectively.

Hope that helps, and let me know if there's anything else.

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**From:** Matt Tonkin [mailto:matt@sspa.com]  
**Sent:** Thursday, December 21, 2017 8:59 AM  
**To:** Linder, Steven <Linder.Steven@epa.gov>; Pallarino, Bob <Pallarino.Bob@epa.gov>; TU, LYNDSEY <Tu.Lyndsey@epa.gov>; Robert.Whittier@doh.hawaii.gov  
**Cc:** Ronald Chinn <ron.chinn@innovex.net>  
**Subject:** Notes from12/20/17 Webex

Please find attached some roughly-processed notes I prepared from the meeting yesterday. They are not production/memorandum-type quality. From my perspective, the major topics that were discussed that I believe we should discuss before the January meeting, are as follows:

1. Processing of water level data for temporal trends. The approach used, and results.
2. Weighting of observations for the model calibration.
3. Use and representation of hydraulic gradients in the calibration.
4. Preparation and application of the water level maps (using kriging).
5. Review of developing groundwater model design and structure.

None of these are time-critical, but I do think we should internally discuss them. In particular, I think there is more information in the water level data than is being inferred at this stage, because of the methods being used. I believe that other methods may be more revealing and may provide more information both on trends and on recharge effects.

Would you like to have a call next week, or do you prefer to wait until the New Year? I will be working through much of the holidays, with sporadic days/periods off.

Matthew J. Tonkin  
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